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KUBIKOWSKI, Piotre

Application of antimetabolites in pharmacology. Acta physiol. polon. 9 no.1199-114 1958

1. Z Makladu Farmakologii A.M. w Warssavie, Kier.; prof. dr P. Kubikowski (METABOLISM, antimetabolites, pharmacol. use review (Pol))

KUBIKOWSKI, P. Heurohormones and their significance in pharmacological research. Acta physiol. polon. 10 no.2:235-251 Mar-Apr 59. 1, 2 Zakladu Fermakologii A. M. w Marszawie Kierownik: prof. dr P. Kubikowski. (HONNORMS, neural hormones, review (Pol)) (NERVOUS SISTEM, neural mediators & hormones, review (Pol))

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KUBIKOWSKI, Plotr

Jamusz Supniewski. Nauka polska 8 no.3:122-126 Jl-S 160.

1. Akademia Medyczna, Warszawa.

KUBIKOWSKI, Piotr, prof. dr; CZLONKOWSKI, Franciszek, mgr.

Activities of the Drug Institute. Farmacja Pol 18 no.17/18:406-410 8 '62.

KUBIKOWSKI, Piotr, prof.

Institute of Drugs; its history, development, works. Nauka polska 11 no.5:87-94 163.

1. Dyrektor Instytutu Lekow, Warszawa.

KUBIKOWSKI, Plotr, prof.

The history, development, and activities of the Institute of Drugs. Review Pol Academy 9 no.1:47-51 Ja-Mr :64

1. Director, Institute of Drugs, Warsaw, Dluga 16.

KUBIKOWSKI, Piotr, prof. dr.; MAJCHERCZYK, Janina; SZYMANSKA, Janina

New derivatives of hydrazinophthalazine with hypotensive activity. Acta physicl. Pol. 16 no.2:289-296 Mr-Ap¹65.

1. Zaklad Farmakologii Eksperymentalnej Akademii Medycznej w Warssawie (Kierownik: prof. dr. P. Kubikowski).

KUBILJKAYA, N. V.

Radiation - Physiological Effect

Etiology, prevention and treatment of skin injuries caused by radiation therapy of patients with malignant and benign neoplasms. Vest. rent. i rad. No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

BARSHAUSKAS, K. [Barsauskas, K.]; ILGUNAS, V.; KUBILYUNENE, O. (Kublituniene, O.)

Measurement of ultrasonic dispersion in liquids using the interferometric method. Akust. zhur. 10 no.1:25-29 '64.

(MIRA 17:5)

1. Kaunasskiy politekhnicheskiy institut.

ACCESSION NR: AP4025730

8/0046/64/010/001/0054/0059

AUTHORS: Ilgunas, V.; Kubilyunene, O.; Yapertae, A.

TITLE: Precision interferometer for measuring ultrasound velocities in fluids in the frequency range 1 - 12 megacycles.

以上,我们还是实验的一种的对象,但是一种的对象,是不是一种的,我们就是一种的一种的一种,我们就是一种的一种,这种的一种,这种的一种,这种的一种,这种的一种,是一种

SOURGE: Akusticheskiy zhurnal, v. 10, no. 1, 1964, 54-59

TOPIC TAGS: interferometer, ultrasound velocity, crystal diameter, quartz crystal, reflector diameter, Pirs interferometer, impulse method, standing plane wave

ABSTRACT: The accuracy of velocity measurement by the described interferometer is ± 10⁻² percent. The authors give the dependence of the measured ultrasound velocity in water on the ratio of the diameter of the orystal to the length of a sound wave in water, and also on the ratio of the reflector diameter to the wave length. They describe an interferometer of variable length, of Pirs type, with the ordinary indication (with the help of a pointer or a recording measuring device), which in accuracy not only exceeds that of an interferometer with the noted complicated means of indication but gives results close to the most perfect impulse method. Generally an interferometer is used in the presence of rather strict standing plane

Card 1/2

ACCESSION NR: AP4025730

waves with front parallel to the surfaces of the radiation crystal and the reflector. The authors touch upon the problem of using an interferometer for measuring ultrasound velocity also for lower frequencies, when there is a diffractional pattern for the sound field. The construction of this interferometer was done after thorough theoretical and experimental investigation of the oscillating properties of a crystal working in the complicated acoustical system of the interferometer. With precision interferometric measurements (with accuracy of about 0.01 percent) the true velocity of propagated plane waves is determined only when $d/\lambda \geq 50$. When $d/\lambda \geq 50$ it is necessary to consider the effect of diffraction on the measured value of the ultrasound velocity, and the diameter of the reflector must be of rather large dimensions in order not to multiply the diffractional effects. Verification for measured velocity values for $d/\lambda \geq 50$ may be determined by making measurements in undispersed fluids. When $d/\lambda \geq 15$ the velocity measurements cannot be made with this interferometer because of the large diffractional field distortion. Orig. art. has: 7 figures, 2 tables, and 2 formulas.

ASSOCIATION: Kaunasskiy politekhnicheskiy institut (Kaunas Polytechnical Institute)

SUBMITTED: 04Jul63

DATE ACQ: 10Apr64

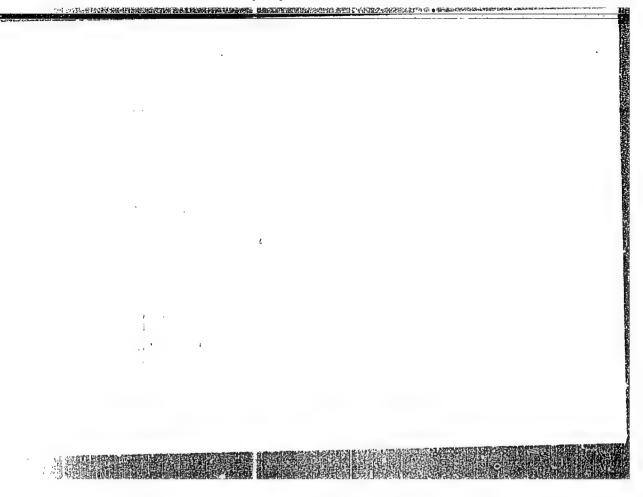
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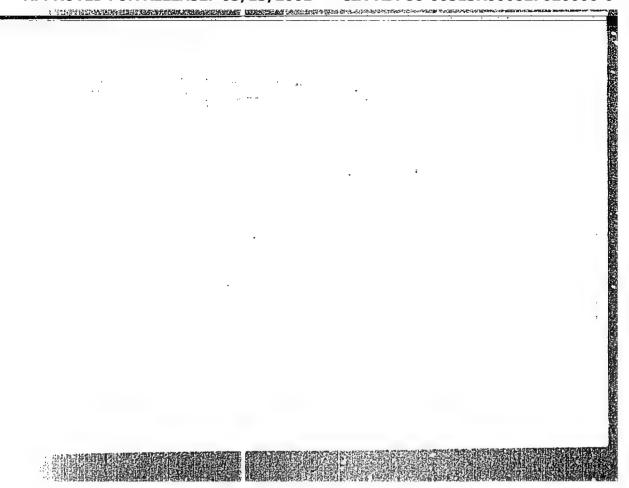
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OTHER: 009

Card 2/2



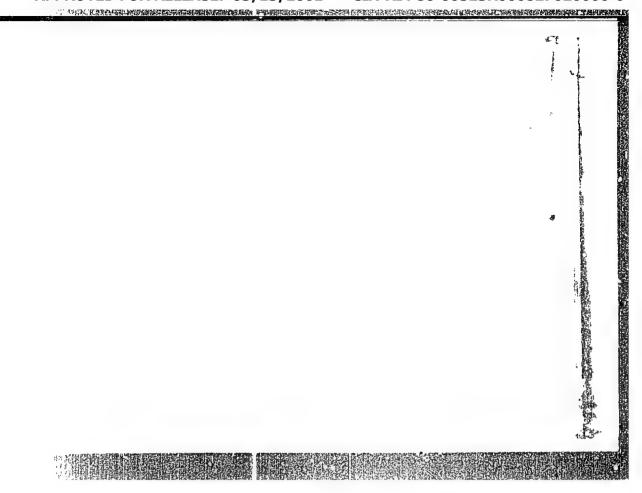


KUBILYUS I P., LINNIK, Yu. V.

Equations, Quadratic

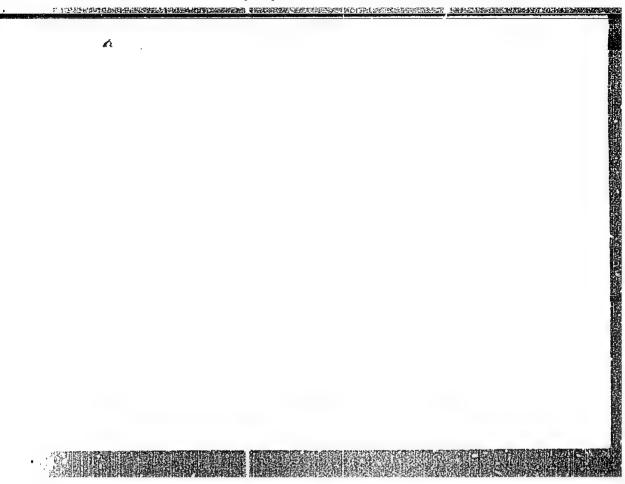
Resolving the product of three numbers into the sum of two squares. I. P. Kubilyus, Yu. V. Linnik., Trudy Mat. inst., no. 38, 1951.

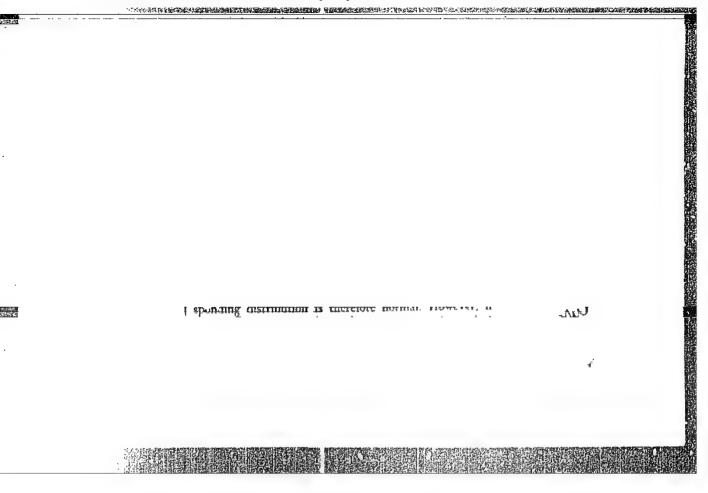
9. Monthly List of Russian Accessions, Library of Congress, April 1957, Uncl.



وحلاليليلاليا Kubliyus, I. P. On some problems of the prime numbers. Mat. Sbornik N.S. 31 (73) 3507-34 (1952). (Russian) This is a development of the "analytical number-theory in a dimensions" introduced by Hecke on the basis of his zeta-functions associated with an algebraic number-field K of degree n. The existing theory is extended and strengthened Mathematical Reviews by the use of the more powerful methods now available for Vol.º 14 No. 9 estimating trigonometrical sums and the density of zeros October 1953 of zeta-functions. The results are too elaborate to summarise in detail, but they take the general form of asymptotic Number Theory approximations to the number of prime ideal numbers p for which pur (mod m) (m a given ideal of K, and r a given ideal number prime to m) and p (suitably interpreted as a point in n-dimensional Euclidean space) lies in a given region. Specialised forms of the theorems have implications about the distribution of rational primes. Thus the formula for the asymptotic distribution of Gaussian primes p=k+ilin sectors is obtained in a version that implies the existence of an infinity of rational primes p expressible in the form $p = k^2 + l^2$ with rational integers k, l such that $l^2 = O(p^2)$, @ Vilnyua where 0 < 1 is a certain absolute constant. The numerical value found for # depends on an estimate of the density of zeros of the relevant zeta-functions to the right of the critical line, and the method used here gives $\theta = 25/32$. The paper has points of contact with results recently announced by Hascierove [J: London Math. Soc. 26, 273-277 (1951); these Rev. 13, 438]. A. E. Ingham.

KUBILIUS, I. First national mathematical olympiad for students of the Lithuanian S.S.A. Usp.mat.nauk 8 no.3:203-205 ev-je 53. (MLRA 6:7) (Initmania--Mathematics--Competitions) (Competitions---Mathematics--Lithuania)





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USSR/ Mathematics - Additive functions

Card 1/1

Pub. 22 - 4/60

Authors

Kubilyus, I. P.

Title

Allehant Links & The principle and the On distributing the values of additive arithmetic functions

Periodical

Dok. AN SSSR 100/4, 623-626, Feb 1, 1955

Abstract

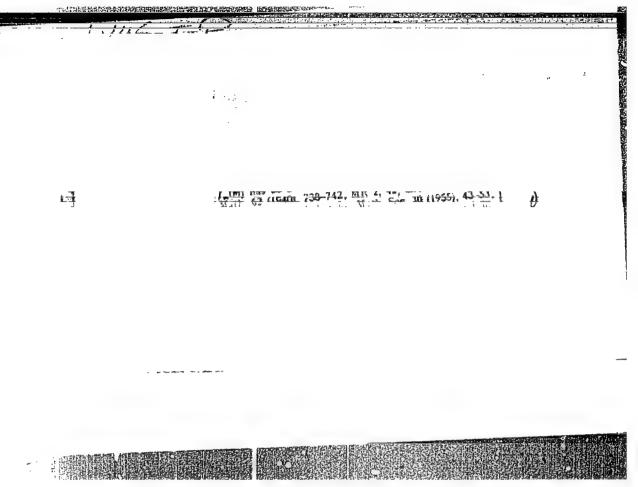
Definitions of an additive and of a strongly additive arithmetic function are given and a theorem dealing with such functions is proved. It shows that very strongly additive functions, with broad assumption concerning the limits for their characteristics, can be distributed according to the normal law of distributions. Erdô's and Katz's theorems can be considered as particular cases of the proved theorem. Two references: 1 USA and 1 USSR (1940-1947).

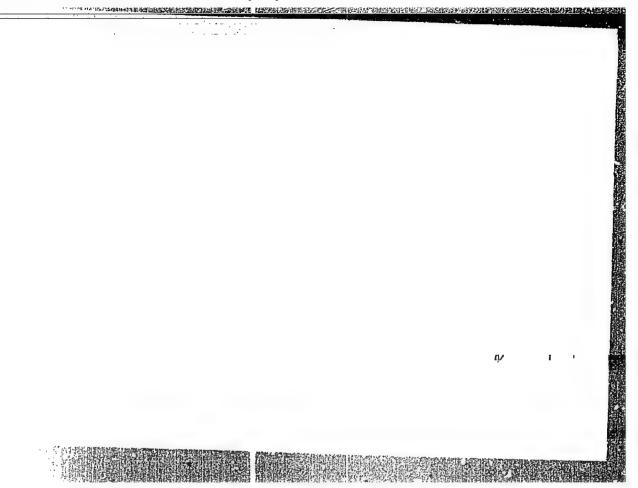
LITH. SSP_

Institution :

Acad. of Scs., USSA. Physico-Technical Institute

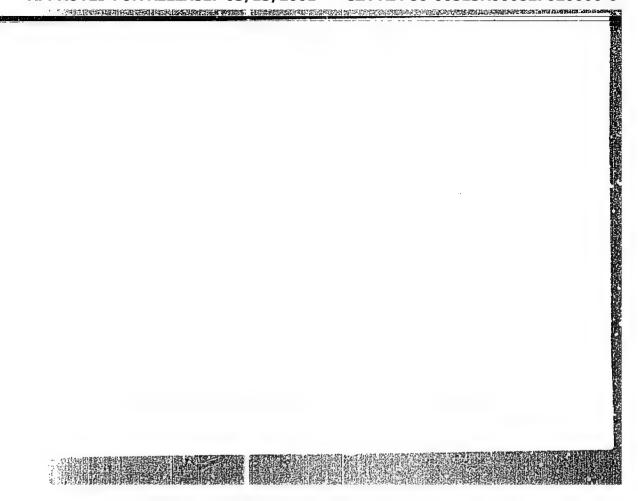
Presented by: Academician A. M. Kolmogovov, Lucember 14, 1954





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Call Nr: AF 1108 Transactions of the Third All-union Mathematical Congress (Cont Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, MMoscow, 19 Vinogradov, A. I. (Leningrad). New Additive Problems	. Moscow
with primes.	7
Dem'yanov, B. V. (Moscow). On Hypothesis Concerning the Expression of Zero by Forms With p - adic coefficients.	4-5
There are 2 references, both USSR.	
Kogoniya, P. G. (Tbilisi). On the Set of Condensation Points of Markov's Number Set.	5
There are 2 references, 1 USSR and 1 German.	
Kubilyus, I. P. (Vil'nyus). On Distribution Values of Theoretical Number Functions.	5-6
Mention is made of Kolmogorov, A. N.	
Levin, B. V. (Tashkent). On a Special Class of Differential Operators Which is Connected With the Theory of Modular Function and the Theory of Numbers. Card 3/80	n s 6



KUBILYUS, 1-5

SUBJECT

USSR/WATHEWATICS/Number theory

CARD 1/1 PG - 388

AUTHOR TITLE

KUBILJUS I.P., LINNIK Ju.V.

An elementary theorem of the prime number theory.

PERIODICAL

Uspechi mat. Mauk 11, 2, 191-192 (1956)

reviewed 11/1956

By a very simple argument the authors show that there are infinitely many pairs of prime numbers p_1 , p_2 such that $p_1p_2 = a^2 + b^2$ and $0 < b < \log p_1p_2$, where a and b are integers.

KUBILYUS, Ionas Petrovich (Inst of Physics and Math, AS, LiSSR) awarded sci degree of Doc Physico-Math Sci for the 21 Nov 57 defense of dissertation: "Certain investigations in the theory of numerical probabilities" at the Council, Math Inst imeni Steklov, AS, USSR; Prot No 14, \$1 May 58. (BMVO, 11-58,19)

	SOV/43-59-1-4/17
16(1)	Kubilyus, I.P.
TITLE:	Convolutions of Arithmetic Functions and Boundary (Svertki Theorems for Sums of Independent Random Magnitudes (Svertki Theorem
	nezavisimykn sidomy universiteta, Seriya matematiki, me-
PERIODICAL:	vestnik Leningradskogo universiteta, Seriya matematiki, me- khaniki i astronomii, 1959, Nr 1(1), pp 30-33 (USSR)
ABSTRACT:	khaniki i astronomii, 1999, hi $((m) = a(m) + b(m) = b$ Let the number m take integer values. $c(m) = a(m) + b(m) = b$ $= \sum a(d)b(\frac{m}{d})$ is denoted as convolution of the arithmetic
	$= \sum_{i=1}^{n} a(d)b(\overline{d})$ is denoted by $a_i = \sum_{i=1}^{n} a(d)b(\overline{d})$ be a sequence with the
	$d \mid m$ functions $a(m)$ and $b(m)$. Let $\{a_k(m)\}$ be a sequence with the
	properties: 1. $a_k(m) 70$ 2. $a_k(m) 11 m$
	$A_n(m) = a_1(m) + a_2(m) + \dots + a_n(m), s_k = \sum_{m=1}^{\infty} a_k(m), c_n = \sum_{k=1}^{n} c_k,$
	$A_n(m) = a_1(m) + a_2(m) + a$
	$c_{k} = \frac{1}{s_{k}} \sum_{m=2}^{\infty} a_{k}(m) \ln m, c_{k}' = \left\{ \frac{1}{s_{k}} \sum_{m=2}^{\infty} a_{k}(m) \ln^{2} m - c_{k}^{2} \right\}^{1/2},$
Card 1/3	k bk m=2

Convolutions of Arithmetic Functions and Boundary SOV/43-59-1-4/17 Value Theorems for Sums of Independent Random Magnitudes

$$B_n = \left\{ \sum_{k=1}^n o_k^2 \right\}^{1/2},$$

Theorem: In order that $\frac{1}{s_1 s_2 \cdots s_n} \sum_{1 n m < B_n x + C_n} A_n(m)$ for $n \to \infty$

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converges to a limit distribution function with dispersion 1 in all points of continuity and $\sup_{1\leqslant k\leqslant n}\frac{1}{s_k}\sum_{|\ln m-c_k|>sB_n}a_k(m)\to 0\ ,\ \text{it}$

is necessary and sufficient that there exists a nondecreasing function K(u) which is defined for all real u, possesses the variation 1, satisfies the condition

$$\frac{1}{B_n^2} \sum_{k=1}^n \frac{1}{s_k} \sum_{\substack{1 \text{nm} \leqslant B_n u + c_k}} a_k(m) (1 \text{nm} - c_k)^2 \rightarrow K(u)$$

for $u\neq 0$ and $n\to\infty$, and thereby it is

Card 2/3

Convolutions of Arithmetic Functions and Boundary SOV/43-59-1-4/17 Value Theorems for Sums of Independent Random Magnitudes

$$\sup_{1 \leq k \leq n} \frac{1}{s_k} \sum_{m=1}^{\infty} \frac{a_k(m)(1nm - c_k)^2}{B_n^2 + (1nm - c_k)^2} \rightarrow 0.$$

The logarithm of the characteristic function $\varphi(t)$ is given

$$\ln \varphi(t) = \int_{-\infty}^{\infty} (e^{itu} - 1 - itu) \frac{1}{u^2} dK(u)$$

Two further theorems present special cases. The author mentions B.V.Gnedenko and A.V.Groshev. He thanks Yu.V.Linnik for posing the problem.

There are 5 references, 1 of which is Soviet, 1 Italian, 1 Dutch, and 2 American.

SUBMITTED: June 22, 1957

Card 3/3

06311 16(1) SOV/140-59-6-12/29 Kubilyus, I.P., and Linnik, Yu.V. AUTHORS: Arithmetic Modelling of the Motion of Brown TITLE: PERIODICAL: Izvestiya vysskikh uchebnykh zavedeniy. Matematika, 1959. Nr 6, pp 88-95 (USSR) Let $R_u \{ \cdots \}$ be the number of natural numbers $m \le u$ satisfying the ABSTRACT: conditions given in the braces $\{\dots\}$. Let P>1 be an odd number free of squares and $(\frac{m}{P}) - \prod_{p \mid P} (\frac{n}{p})$, where p runs through all prime divisors of P and $(\frac{m}{p})$ is the Legendre's symbol. Let $S_p(m,s,t;h) = \frac{1}{\sqrt{h}} \sum_{h \leq m \leq ht} (\frac{m+n}{p}), \quad 0 \leq s \leq t.$ Theorem 1: If P runs through an increasing infinite sequence of odd numbers free of squares, where for every c>0 it holds $\bigcap_{p \mid P} (1 - \frac{c}{p}) \rightarrow 1 \text{ for } P \rightarrow \infty, h = h(P) \rightarrow \infty, \log h/\log P \rightarrow 0, \text{ then}$ (2) $\frac{1}{p} N_p \{ S_p(\mathbf{n}, \mathbf{s}, \mathbf{t}, \mathbf{h}) < \mathbf{x} \} \rightarrow \frac{1}{\sqrt{2\pi (\mathbf{t} - \mathbf{s})}} \int_{\mathbf{e}}^{\mathbf{x}} e^{-\frac{\mathbf{u}^2}{2(\mathbf{t} - \mathbf{s})}} d\mathbf{u}$ Card 1/2

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13

Arithmetic Modelling of the Motion of Brown

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06311

and for an arbitrary choice of disjoint intervals $(s_1, t_1), \ldots$, (s_k, t_k) , $0 \le s_j \le t_j$ (j=1, ..., k) it holds

$$(3) \quad \frac{1}{P} \, {}^{\mathsf{N}}_{P} \left\{ S_{P}(m,s_{1},t_{1},h) < x_{1}, \dots, S_{P}(m,s_{k},t_{k},h) < x_{k} \right\} \longrightarrow \\ \underset{j=1}{\overset{k}{\bigcap}} \, \lim_{p \to \infty} \, \frac{1}{P} \, {}^{\mathsf{N}}_{P} \left\{ S_{P}(m,s_{j},t_{j},h) < x_{j} \right\} .$$

An analogous result (theorem 2) holds for characters of higher order. A series of proposals of programming for the calculation of the symbols of Legendre and Jacobi is given. There are 6 references, 1 of which is Soviet, 1 Swedish, 1 American, 1 French, and 2 Italian.

ASSOCIATION: Vil'nyusskiy gosudarstvennyy universitet imeni V. Kapsukasa (Vil'nyus State University imeni V. Kapsukas) Leningradskiy gosudarstvennyy universitet imeni A.A. Zhdanova (Leningrad State University imeni A.A. Zhdanov)

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RUBILYUS, Yonas Pyatro [Kubilius, Jonas]; PETRAYTIS, A. [Petraitis, A.], red.; KARVYALIS, V. [Karvelis, V.], tekhn. red.

[Probability methods in the theory of numbers] Veroiatnostnye metody v teorii chisel, 2., dop. izd. Vil'nius, Gos.izd-vo polit. i nauchn. lithy Litovskoi SSR, 1962. 220 p.

(MIRA 16:3)

(Numbers, Theory of) (Probabilities)

S D SCRIFF CONTROL OF THE SECOND SECO

7.	Zolotarev, V. M. On a New Viewpoint Regarding Limit	110	
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-8.	Analog of an Asymptotic Edgeworth-Kramer Expansion for	- 1	
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	of the Distribution of a Sum of Independent Random Quantities	71	
	actions of the 6th Conf. on Probability Theory and Mathematical Statistics	and	

KUBILYUS, Yu.Yu., [Kubilius, J.] starshiy nauchnyy sotrudnik; SIMANOVICH, G.S.

Discussing the problems of the application of ultrasoric waves.

Tekst.prom. 22 no.6:69-74 Je '62. (MIRA 16:5)

1. Litovskiy nauchno-issledovatel'skiy institut tekstil'koy promyshlennosti (LitNIITP) (for Kubilyus). 2. Starshiy insh. tekhnologicheskogo otdela Grodnenskogo tonkosukonnogo kombinata (for Simanovich).

(Dyes and dyeing)
(Ultrasonic waves--Industrial applications)

KUBIN, A.

Engineering Research

Stop underestimating advanced engineering techniques. Vest.inzh.i tekh. no. 3, 1948.

9. Monthly List of Russian Accessions, Library of Congress, April 1952 1933, Uncl.

KUBIN, BORIS

Category : CZECHOSLOVAKIA/Radiophysics - Statistical Phenomena in Radiophysics I-3

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 4436

: Methods of Separating Very Weak Periodit Signals from Moise : Kubin, Boris Author Title

Orig Pub : Slaboproudy obzor, 1956, 17, No 5, 248-250

Abstract : Brief survey of a method of separating periodic signals from noise.

: 1/1 Card

> APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000827020006-6"

KUBIN, B. HRDICKA, J.

Electronic stop watches in photographic technique. p. 50.

(Jemma Mechanika A Optika. Vol. 2, no. 2, Apr. 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

S/194/62/000/004/105/105 D271/D308

AUTHOR:

Kubin, Boris

TITLE:

A statistical method for measuring telegraphic dis-

tortion

PERIODICAL:

Referativnyy zhurnal, Avtomatika i radioelektronika, no. 4, 1962, abstract 4-8-47y (Sb. praci Výzkumn.

ústravu spojů, 1959, Praha, 1960, 71-106)

TEXT: A new method for measuring telegraph signal distortions is considered. A graph of statistical distribution of arhythmical distortion or of the dependence of incorrect reception of signals on this distribution is obtained by measurements. A method is put forward for plotting summation curve for several series connected telegraph circuits and an expression is derived for calculating the error ratio from statistical measurements. Results of distortion measurements in Czechoslovakian telegraphic network are described. / Abstracter's note: Complete translation. /

Card 1/1

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827020006-6"

2/039/60/021/04/009/026 E140/E235

Analysis of Teletype Transmission of Czech Text Blaboproudý obzor, 1960, vol 21, Nr 4, pp 228-236 ABSTRACT: A standard of one error in 105 symbols is imposed analysis is given to the symbols analysis is given to the symbols and 2). A standard of one error in 10, symbols is imposed to grant analysis is given the (Refs l and 2). A statistical analysis is distributed and this quality. A statistical analysis is given the quality. A statistical analysis is given the quality. (Refs l and 2). A statistical analysis is given the quality. (Refs l and 2). Gaussian distributed assumptions are made: determine teletype parameters for this quality. The guality of the teletype made:

all following assumptions are made:

all following assumption of teletype signals;

by limiting of the exceeded for exceeded for exceeded interpolation of transmitted symbols;

all following assumption of the time of the symbol;

all following assumption time of the symbol;

all following assumption the transmission is an ergodic restoration of the text is neglected;

all following assumption the work is based on the correlation of the work is based on the entire second to the assumption of the work is based on the entire second statistical process.

The work is based on the entire second the ference 1. The statistical analysis of calculation of the statistical analysis of calculation in Tables II and III is based on the entire second process. AUTHOR: TITIE: PERIODICAL: reference 1. The statistical analysis of Czech text second in Tables II and III is based on March 1959.

given in Tables II and Fravo of 26 March 1969.

page of the newspaper Rudé pravo page of the newspaper This may be representative of Abatractors Note: page of the newspaper Rudé pravo of 26 March 1959.

Rudé pravo of 26 March 1959.

This may be representative of Czech commercial traffic, but not of Czech commercial traffic, but not of Czech commercial card 1/2 Czechoslovak teletype traffic, but not of Czech commercial

APPROVED FOR RELEASE: 03/13/2001

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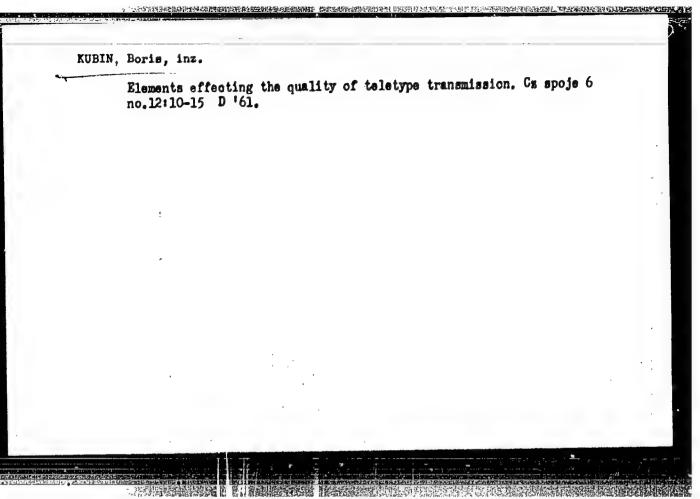
E140/E235

Analysis of Teletype Transmission of Czech Text

correspondence, etc). The analysis is further carried out for page printers and tape printers. In the analysis second order probabilities were neglected. This leads to: a) a pessimistic result which does not matter because actual transmission will therefore be better than calculated; b) the partial probabilities must be < 10-2, which, however, is far below the limit of quality under consideration, The author concludes: a) transmission for page printer requires higher quality of transmission than for tape printer; b) the most important sources of error in decreasing order are: 1) asynchronism. 2) random distortion, 3) limiting distortion of the receiver and unsymmetrical distortion. There are 14 figures, 4 tables, and 11 references, 1 of which is Soviet, 4 English and

Výzkumný ústav spojů (Communications Research ASSOCIATION: Institute)

SUBMITTED: July 24, 1959



KUEIN, Boris, inz., JERAEEK, Jiri

The character of our telegraphic operations. Czspoje 7 no.214-8. F 162.

1. Pracovnik Vyzkumneho ustavu spoju.

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Z/039/62/023/004/003/010 D291/D303

6.7200 (1524)

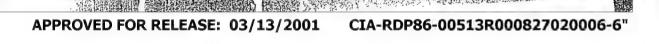
Kubin, Boris, Engineer

Transistorized analyzer of teletype-signal distortion AUTHOR:

Slaboproudy obzor, v. 23, no. 4, 1962, 207-212 TITLE:

TEXT: The article describes a transistorized analyzer for teletype-

signal distortion, developed by the Wzkumný astav spoju (Communications Research Institute) in Prague. The analyzer measures and statistically evaluates the relative distortion of teletype-modulation characteristics (which are essential for the transmission quality), using the method of multi-channel measuring of short time intervals. The analyzer has 50 statistical intervals (channels) with a width of 2% (distortion) and has then a measuring range of -50 to +50%. The discrimination power can be improved by narrowing the statistical intervals to 1%, i.e. reducing the measuring range to -25% to +25%. The instrument is destined for a telegraph-transmission speed of 50 Hd, but can easily be adjusted to speeds up to 75 Bd. The transistorized analyzer circuitry comprises a Schmitt input circuit, a flip-flop control circuit, a crystal-controlled 100 kc Card 1/3



Z/039/62/023/004/003/010 D291/D303

Transistorized analyzer of ...

generator (a 150 kc generator is used for a transmission speed of 75 Bd), and a binary flip-flop which is the basic circuit of the frequency dividers, shift registers, and counters. The disadvantage of other multichannel measuring instruments, i.e. measuring errors at values on boundaries between intervals or in close sequence, could be eliminated since (1) characteristic instants and registration pulses are mutually shifted by one half of the statistic interval, and (2) registration pulses within one teletype character are precisely timed at 20 msec. However, the application of the instrument has sofar been restricted to research purposes only, since the analyzer comprises a vast amount of components (transistors) and malfunctions occur frequently. The complete assembly consists of three units mounted in superposed cabinets, i.e. the actual analyzer (bottom), a system of 26 counters with common indication (center), and another system of 26 counters with individual indication (top). The instrument was primarily used to verify the applicability of statistic measuring methods on telegraph systems in the CSSR, and to measure distortion characteristics of telegraph transmitters and distortion tolerances of novel telegraph receivers. It can also be used to measure the

Card 2/3

Z/039/62/023/004/003/010 D291/D303

Transistorized analyzer of ...

quality of sound-telegraph systems and to study novel methods, such as integration and correlation telegraph-transmission systems. There are 7 figures and 7 Soviet-bloc references.

ASSOCIATION:

Výzkumný ústav spojů, Praha (Communications Research In-

stitute, Prague)

SUBMITTED:

August 29, 1961

Card 3/3

CIA-RDP86-00513R000827020006-6" APPROVED FOR RELEASE: 03/13/2001

ACCESSION NR: AP4029393

z/0039/64/025/004/0207/0215

AUTHOR: Kubin, Boris (Engineer, Candidate of sciences); Chladkova, Drahomira (Khladkova, D.) (Graduate in mathematics)

TITIE: Automation of transmission-quality-measurements in teletype trunk groups

SOURCE: Slaboproudy obzor, v. 25, no. 4, 1964, 207-215

TOPIC TAGS: teletype, teletype trunk group, trunk group, trunk line, distortion, distortion measurement, telegraph, teletype network, automation, statistical characteristic, traffic, system loading, programming

ABSTRACT: The article treats various ways of automating the measurements of telegraph distortion on the trunks of auto-switching teletype networks. The working regimes of the measuring automata are analyzed. The results of these analyses are statistical characteristics of the intervals between succeeding measurements on the respective trunk lines. These characteristics are a criterion of the proper functioning of the automatic measuring equipment during periods of busy trafic and influence the optimum choice of establishing measuring connections in the network. Orig. art. has: 2' formulas and 9 graphics.

Card 1/2

ACCESSION NR: AP4029393

ASSCCIATION: Vyzkumy ustav spoju, Praha (Communications Scientific

Institute)

SUBMITTED: 20Nov63

DATE ACQ: 01Mey64 encl: 00

SUB CODE: EC, IE NO SOV REF: 002 OMER: 012

ZIMA, Vaslav[Zima Vaclav]; KUBIN, Boris; VASIN, V.I.[translator];
DMITRIYEV, V.I., red.

[Electronic methods for measuring small time intervals.

Translated from the Zeech] Elektronnye motody izmereniia
malykh intervalov vremeni. Moskva, Energiia, 1965. 245 p.

(MIRA 18:10)

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000827020006-6 ACC NR ANS004545 Zima, Vaclav; Kubin, Boris Monograph Electronic methods of measuring small intervals of time (Elektronmyve metody UR/ Electronic methods of measuring small intervals of the letter of the let Translation of Elektronicke mereni kratkych casu [Prague] SNTL, 1962 5,690 copies TOPIC TAGS: time measurement, measurement apparatus, mechanical measuring tool, electric measuring instrument, oscillograph, phase meter, pulse counter, frequency meter, time interval counter, flip-flop circuit, electronic circuit, coincidence PURPOSE AND COVERAGE: The book examines methods of measuring intervals of time. Particular attention is paid to measuring with electronic meters, although other methods are examined: the pand to measuring with electronic meters, almongst owner methods are examined: the electronic handcal, oscillographic, integral, method of coincidence. The accuracy of these methods of measuring small intervals of time is evaluated. The book is intended for engineering-technical workers in the field of week-current electrical Cord 1/2 UDC:681.118.4

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    TABLE OF CONTENTS (abridged):
   Foreward of the editor of the translation -3
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            1. Basic concepts -- 9
           2. Analog method -- 15
           3. Counter method -- 46
           4. Wethod of coincidence --62.
   Ch. II. Electronic circuits --72
           5. Flip-flops -- 70
           6. Pulse counters - 134
           7. Other electronic circuits -- 176
  Ch. III. Principle fields for applying small intervals of time -- 197
          8. Measurements in muclear physics -- 197
         9. Measurements in telegraphic engineering -- 217
10. Measurement of frequency and phase -- 232
 Bibliography
  SUB CODE: 20,09/SUBM DATE:
                                  10Aug65/ ORIG REF: 046/ OTH REF:
Card 2/2
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KUBIN, Ivo

The methods of fighting tuberculosis on State farms. Veterinarni medicina 6 no.11:825-836 N '61.

1. Krajske veterinarni sarizeni Usti nad Labem.

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KUPIN, J.

Potentiometers and their problems.

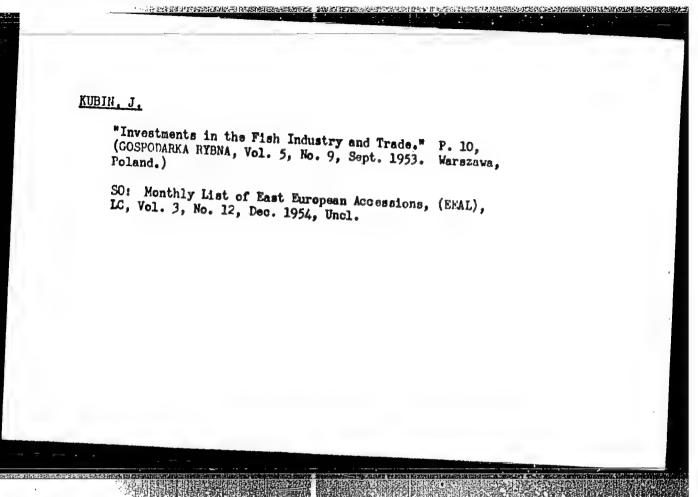
P. 732. (SLABUPROUDY OBZOR) (Praha, Czechoslovakia) Vol. 18, no. 10, Oct. 1957

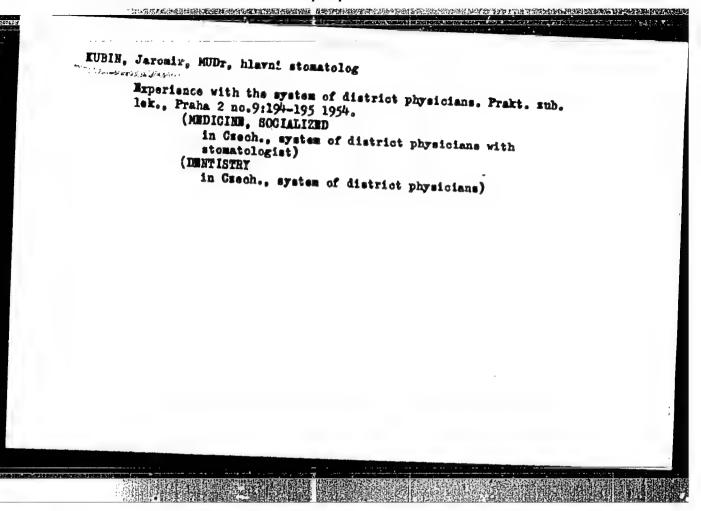
SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, no. 5, 1958

· OTTO IN A STREET OF THE PROPERTY OF THE PROP

Application of the chromato-polarographic method to the analysis of inorganic substances. I-IV. Acta r nat Univ Com 3 no.2/3: 59-97 159. (REAI 10:5)

(Chromatography) (Polarograph and polarography)
(Inorganic compounds)





POHCOVA, Vera, MUDT; MUDIN, Jaromir, MUDT; SVEJDA, Josef, doc. MUDT

Notes on excursion to Bulgaria. Prakt. sub. lek., Praha 2 no.9:

(IMMTISTRY

in Bulgaria,)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000827020006-6"

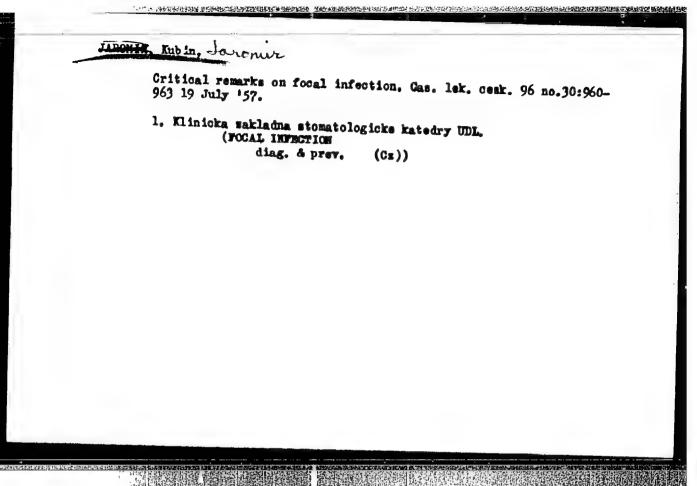
CHEVILLE PROPERTY OF THE PROPE

KUBIN, Jaromir., MUDr.

Personnel problems in dentistry. Cosk. zdravot 4 no. 1:41-45

1. Hlavni stomatolog ministerstva sdravotnictvi.
(DENTISTRY,
in Csech., personnel problems (Cs))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000827020006-6"



SURVANCE, Given Names

Country: Czechoslovakia

Academic Degrees: Dr

Affiliation: Docent , 2 C " .

Source: Prague, Prakticke Zubni Lekarstvi, Vol 9, No 7, Sept 1961; pp 215-221

Data; "Postgraduate Training in Stomatology"

THE RESPONSIBILITY OF THE PROPERTY OF THE PROP

KUBBI, Jaromir

Use of hogh and ultrahigh rotation speeds in stomatology. Stomatologiia 42 no.2:21-23 Mt Ap '63 (MIRA 17:3)

1. Iz stomatologicheskoy kafedry Instituta usovershenstvovaniya vrachey, Prno.

KUBIE, Jaroslav, ins

· TOTAL PROTECTION CHARACTER STREET STREET STREET STREET STREET STREET

Cooperation of the technical sections of the Csechoslovak Academy of Scineces and Slovak Academy of Scineces. Vestnik CSAV 68 no.5: 607-608 159.

KUBIN, Jerzy

Tasks of the Committee for the Propagation of Sciences; report from discussions during the conference in warsaw, May 16-17, 1962. Nauka polska 11 no.1:123-125 Ja-F 163.

1. Polska Akademia Nauk, Biuro Prezydialne, Warszawa.

· CONTROL TRUCK TO THE CONTROL OF TH

Laying out a building line with inserted two-radii circle.

Geod kart obzor 2 no.3:55-56 Mr 156.

1. Okresni mericke stredisko, Strakonice.

Evaluation of the achievements and development trends of regional associations. Nauka polska 12 no.4:173-175 J1-Ag '64.

1. Presidential Office, Polish Academy of Sciences, Warsaw.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000827020006-6"

Bindly, Visitrity Kudin, Juraj

New types of fast hardoning giu.in glues. Provo litno.8:303-304
Ag 164

h. State Research Institute of Wood, Bratislava.

KUBIN, M.

"Transportation of a SJ 40-type building crane." p. 336

POZEMNI STAVBY. Praha, Czechoslovakia, Vol. 7, No. 6, March, 1959

Monthly List of East European Accessions (EEAI), IC, Vol. 8, No. 9, September, 1959 Unclas

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JESSIOSTOTATIA

INDEED, H; SPACEM, P.

- Institute of Macromolecular Chemistry of the Oscaloslavah Academy of Sciences, Frague (for both)
- Prague, Collection of Czechoslovah Chemical Communications, To 10, 1565, pp 3294-3301
- "Structure and Properties of Hydro Milie Folymers and Their Sels. V. Diffusion in Jels."

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827020006-6

KUBUL FT

Z/002/61/000/001/002/003 A205/A126

AUTHOR:

None given

TITLE:

Dissertation

PERIODICAL:

Věstník Československé akademie věd, no. 1, 1961, 106

TEXT: The "Československá akademie ved, chemická sekce, Ústav organické chemie a biochemie" (Czechoslovak Academy of Science, Chemical Section, Institute for Organic and Biochemistry), granted the title of a Candidate of Science to Engineer Miroslav Kubin, on the grounds of a successful defense of his dissertation "Study of acetylene dimerisation".

Card 1/1

PARTIES OF THE PROPERTY OF THE

KUBIN, M.

Nontuberculous myobacterial infections in children and adolescents. Cesk. pediat. 20 no.9:817-822 S 165.

1. Mikrobiologicko-epidemiologicka skupina Vyzkumneho ustavu tuberkulozy v Praze (vedouci doc. dr. L. Sula).

CZECHOJLOVAKIA

KUBIN, M; ZIKMUND, 'L

Institute of Macromolecular Chemistry, Czechoslovak Academy of Sciences, Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communications, No 2, February 1967, pp 535-544

"On the kinetics of inhibited polymerization."

了一个分子的人们也是好的的时候是一个人的时候是一个人的时候,我们就是一个人的时候,我们就是一个人的时候,他们就是一个人的时候,他们就是一个人的时候,他们就是一个人的

PLANDER, Emil; KUBIN, Mario; SMUTNY, R.

Use of radioisotopes for examination of the passage of material through a pressure reaction vessel. Chem prum 13 no.10:528-529 0 163.

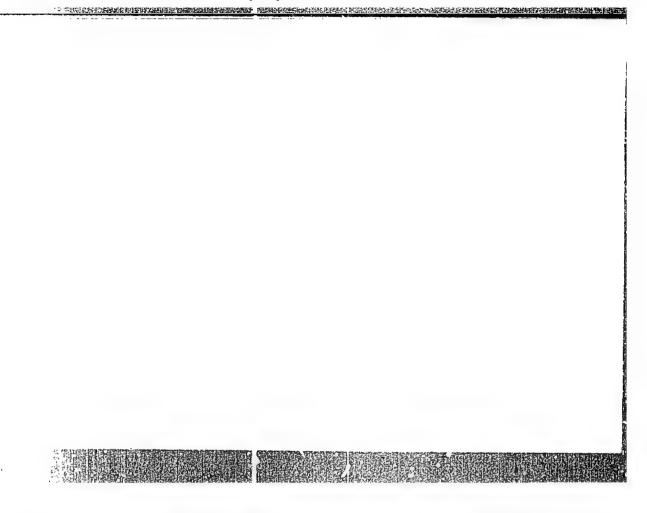
1. Ustav pro vyzkum, vyrobu a vyuziti radioizotopu, Praha (for Plander and Kubin). 2. Spolek pro chemickou a hutni vyrobu, n.p., Usti nad Labem.

KUBIN, P

The ignition spark andengine performance.

P. 342 (Automobil. Vol. 1, no. 10, Oct. 1957 Praha, Czechoslovakia)

Monthly Index of East European Accessions(FEAI) LC. Vol. 7, no. 2, February 1958



KUBIN, S.

Catalase activity in thermal blueOgreen algae in relation to temperature. In English. p. 3

BIOLOGIA PLANTAHUM. (Ceskoslovenska akademie ved. Biologicky ustav) P_T aha, C_Z echoslovakia, V_O 1. 1, no. 1, 1959

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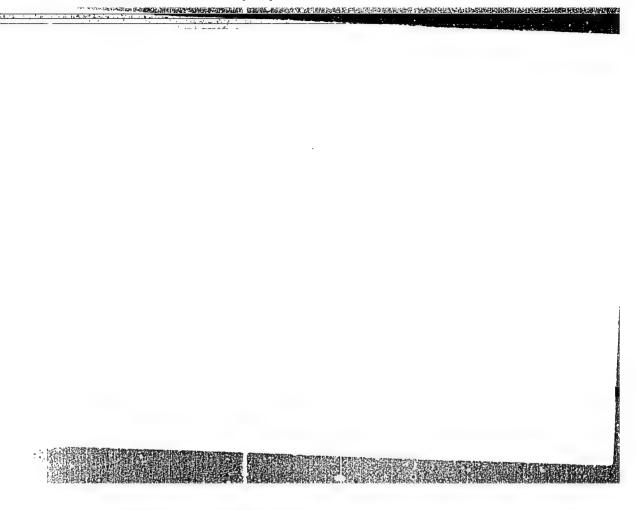
Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959 $U_{\rm R} cl.$

KUBIN, V.

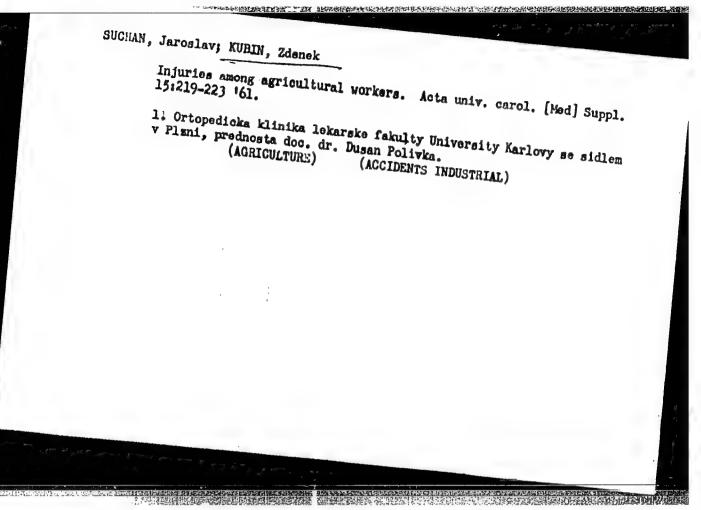
Ways to supersede the queens. p.562
SOTSIALISTLIK POLLUMAJANDUS. Tallinn, Estonia. Vol. 11, no. 12, June 1959

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Monthly List of East European Accessions (REAI), LC. Vol. 8, No. 9, September 1959



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KUBIN, Z.

Observations on the use of lavages in the treatment of chronic osteomyelitis. Acta chir. orthop. traum. cech. 30 no.2:127-131

1. Ortopedicka klinika lekarske fakulty KU v Plzmi, predmosta doc. dr. D. Polivka. (OSTEOMYELITIS) (IRRIGATION)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000827020006-6"

AMARA, Z.; SUCHAN, J.

Accident prevention in agriculture. Acta chir. crthop. traus. cech. 31 no.5:431-434 0 464.

1. Ortopedicka klinika lekarske fakulty Karlovy University v Flzni (prednosta doc. dr. D. Polivka).

KUBII, Z.

Luxatio erecta of the humerus. (Case report contribution.) Acta chir. orthop. traum. cech. 31 no.6:565 - 567 D 64

1. Ortopedicka klinika lokarske fakulty Karlovy University v Plzni (prednosta doc. dr. D. Polivka).

STEHEL, F., inz.; KUBDIA, R., inz.; CHVOJKA, Jan,inz.; KECLIK, V., inz.; ELFMARK, J., Inz.; SORAL, J., inz.; MRAZ, V., inz.; VESELY, J., inz.

Information. But listy 18 no.9:666-680 8'63.

李元章的对方面的对关来现在是在**对在全国人工的主义的**,这些国的技术人员,并不是一种一个全国人的对方,也是是否的人员的对方的大概是是**的时代,他们是这种人们的政策的人**

OSOLSORE, J., dr., inz.; HOMOLA, F., inz.; KUCERA, F., inz.; FAVLICEK, Z., inz.; KUBINEC, R., inz.; CABELKA, J., akademik; SIMUFDA, L. inz.; JUZA, J., dr., inz.; KRAL, V., inz.; POSPISIL, J., inz.; DOLEZAL, R., prof., dr., inz.; ZEMAN, Vl., inz.; LIMPOUCH, B. inz.; SVAB, V., dr., inz.; LASKA, L., inz.; JAHODAR, V., inz.; KOHN, F., inz.

Development of power installations over a long period of time; summary of reports made at the 7th Conference of Power engineers in Bratislava, September 6-8, 1960. Energetika Cz 11 no.3: Suppl: Energetika 11 no.3:1-23 '61.

1. Chlen korespondent Ceskoslovenske akademie ved (for Osolsobe).

FUBINEC, R.

Some of the present problems of electric power in Slovakia. p. 289

TECHNICKA PRACA. Czechoslovakia, Vol. 7, No. 7, July 1955

Monthly List of East European Accessions (EEAI), LC. Vol, 8, No. 9, September 1959 Uncl.

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KUBINEC, Rudolf, inz.

Romarks on selected indexes of foreign power systems. Energetika Cz 12 no.5:225-229 My 162.

1. Vyzkumny ustav energeticky, Praha.

KUBINEC, Rudolf, inz.

Notes on selected indexes of foreign power systems. Energetika Cs 12 no.7:337-339 Jl 162.

1. Vyskumny ustav energeticky, Praha.

KUBINEC, Rudolf, inz.

Outlook for power supply. Tech praca 14 no.5:331-336
My '62.

1. Vyzkumny ustav energoticky, Praha.

KUBINEC, Rudolf, doc. inz.

World Power Conference in Helbourne, 1962. Energetika
Cz 14 no. 3: Supplement: no. 3: 1-16 '64.

KUBINEK, M.

International conference of the International Organization for Standardization on surface roughness. p. 383. (Strojirenstvi, Vol. 7, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

2/032/60/010/012/006/009 E073/E335

AUTHOR: Kubínek, M., Engineer

TITLE: Contribution to the Problem of Noise Generation

in Antifriction Bearings

PERIODICAL: Strojírenství, 1960, Vol. 10, No. 12, pp. 927 - 932

TEXT: Of great importance in the field of noise generation in bearings is the work of Lohmann et al (Refs. 1, 2, 4). Work in this field is proceeding on the following three main problems: the nature and causes of the bearing noise; the influence of the supports of the bearings on noise; noise measurements. Of greatest importance is the first mentioned problem and the present state of knowledge in this field is analysed in the paper. Analysing the waviness of the races, it is assumed that the waviness has a regular sinusoidal shape, that the waviness exists only on the inner races and that the roller (balls) and the outer races have the ideal geometrical shape, the rollers (or balls) roll perfectly along the races; the operation of only a single Card 1/7

Z/032/60/010/012/006/009 E073/E335

Contribution to the Problem of Noise Generation in Antifriction Bearings

roller-ball is considered; there are no elastic deformations et the contact points; the solutions are made to be valid in an orthogonal coordinate system. In Fig. 3, the dependence is graphed of the oscillation speed umax as a function of the wavelength for a specific Czech-produced bearing at 1 500 r.p.m. for a wave amplitude of 0.0005 mm. It can be seen from this curve representing the theoretically derived relation that a sharp increase in the oscillation speed and thus in the noise will occur in the case of small wavelengths, i.e. in the case of a large number of waves along the circumference. This means that an effort must be made to reduce the number of waves at least into the range where their effect is insignificant. Although the curve, Fig. 3, was obtained on the basis of simplifying assumptions, an experimental curve, obtained with an uncalibrated measuring system, confirms the general trend. A film recording of the

Card 2/7

Z/032/60/010/012/006/009 E073/E335

Contribution to the Problem of Noise Generation in Antifriction Bearings

speed of oscillation of the outer races, reproduced in the article, indicates the great influence of the waviness on the oscillation intensity and thus on the noise. The waviness of the balls (and rollers) is the main factor in generating noise. The accuracy of sorting the rollers and balls is also an important factor; in Fig. 8 the influence of the waviness of the balls on the noise generation of the bearing is graphed (oscillation speed versus number of replaced balls; Curve 1 - degree of accuracy 5; Curve 2 - degree of accuracy 4; Curve 3 - degree of accuracy 3. Bottom straight line - basic noise of the bearing for balls of degree 1 accuracy). In Fig. 9, the influence of the accuracy in sorting on the noise is graphed (oscillation speed versus number of replaced balls; Curve 1 - 15 μ ; Curve 2 - 4 μ ; Curve 3 - 1μ). The influence of radial play is shown in Fig. 10 (oscillation speed versus radial play, μ). The influence of the surface roughness of the inner races is Card 3/7

Z/032/60/010/012/006/009 E073/E335

Contribution to the Problem of Noise Generation in Antifriction Bearings

shown in Fig. 11 (oscillation speed versus surface roughness, R_n , μ). The influence of r.p.m. on the noise (oscillation speed) is expressed by a straight line and this is confirmed by experimental results. The influence of the viscosity of the lubricant on the noise (speed of oscillation versus viscosity, E) is graphed in Fig. 13. The following conclusions are derived from the analysis. The waviness of the rollers (balls) and the races have the greatest influence and the wavelength also has a considerable influence. In determining its limit value, theoretical relations can be used which proved to be in good agreement with practical results. Within the limits of the valid specification tolerances, the accuracy of sorting of the balls and rollers and the surface roughness of the active surfaces do not affect the noise, improvement of the surface quality does not have any appreciable influence on the noise generation. The noise increases with the r.p.m. Card 4/7

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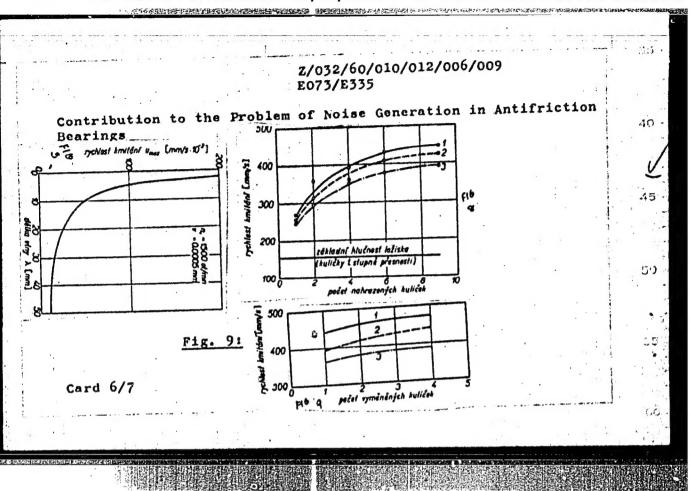
Contribution to the Problem of Noise Generation in Antifriction Bearings

and therefore in high-speed bearings the geometrical shape of the functional surfaces and that of the balls (rollers) should be as accurate as possible. The noise generation of the rollers and balls can be reduced by using more massive-the rollers and balls can be reduced by using more massive-rien gis: or oils of higher viscosity; in the second case, it is necessary also to take into consideration other requirements to be met by the lubricant.

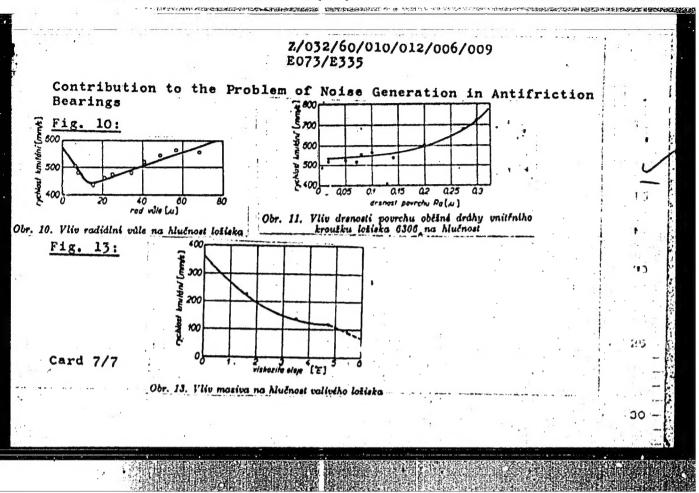
There are 13 figures, 1 table and 11 references: 3 Czech and 8 non-Czech.

ASSOCIATION: VUVL, Brno

Cand 5/7



APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000827020006-6"



KUBINEK, M., inz.

"Durability and safety of antifriction bearings" by B.Eimut.
Reviewed by M.Kubinek. Strojirenstvi 13 no.10:797 0 '63.

并有种的分别,但是这种的现在,但是是我们的人,但是是是我们的人,但是是是这种的人,也可以是这种的人,也不是不是一个人,不是这个人的人,也不是一个人,不是这个人, 第一个人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们就是我们的人

L 23928-66 T/ETC(m)-6 WW/DJ ACC NAT APGO13007 SOURCE CODE: HU/0011/66/000/004/0147/0152 AUTHOR: Kubinek, Milan (Engineer) ORG: Czechoslovak Research Institute for Bearings (Csehszlovak Csapagykutato Intezet) Increasing the carrying ability of antifriction bearings SOURCE: Gep, no. 4, 1966, 147-152 TOPIC TAGS: roller bearing, antifriction bearing, mechanical stress, stress distribution, material deformation, durability ABSTRACT: The uneven distribution of stress on the contact surface of cylindrical roller bearings/has been studied. It was theoretically shown that stress is greatest on the edges of the contact surface. A formula was found for the shape of the roller which would secure optimal carrying ability. A roller profile was designed in theory and tested in practice by the photoelasticity method and the deformation and durability tests. As a result, a new, precalculated roller shape makes it possible to install smaller bearings with high carrying ability and great durability, whereas formerly only large roller bearings could be used. This means lower weight and a reduction in cost and size. Card 1/2